

**WEST**

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L4: Entry 4 of 16

File: DWPI

Oct 10, 1996

DERWENT-ACC-NO: 1996-464693

DERWENT-WEEK: 199646

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TITLE: Herbicidal compsn. contg. non-selective herbicide such as glyphosate - and adjuvant of organo-silicon, polyoxyethylene dodecyl ether, ethylene-oxide-propylene-oxide block copolymer, beef tallow amino-ether etc.

INVENTOR: HOSAKA, H; KOJIMA, S ; YAMAGISHI, H

PRIORITY-DATA: 1995JP-0198189 (July 11, 1995), 1995JP-0106985 (April 6, 1995)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9631121 A1	October 10, 1996	J	014	A01N027/00
JP 08333204 A	December 17, 1996		005	A01N025/30

INT-CL (IPC): A01N 25/30; A01N 27/00; A01N 33/12; A01N 47/08; A01N 27/00; A01N 47/28

ABSTRACTED-PUB-NO: WO 9631121A

## BASIC-ABSTRACT:

Herbicidal compsn. comprises a nonselective herbicide and at least one adjuvant. The adjuvant is selected from organosilicon cpds., polyoxyethylene isotridecyl ether, polyethylene dodecyl ether, beef tallow amino ether, ethyleneoxy-propyleneoxy (EO/PO) block copolymers, EO/PO aliphatic alcohol ethers and polyoxyethylene nonylphenyl ethers.

Also claimed is a nonselective herbicide-contg. compsn. for use in an aq. spray that contains 0.01-10 wt.% the adjuvant.

USE - The compsn. may be used to treat foliage and soil, for killing of weeds in agriculture and horticulture.

ADVANTAGE - The compsn. provides rapid onset of herbicidal activity with improved herbicidal effect.

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L4: Entry 5 of 16

File: DWPI

Apr 7, 1993

DERWENT-ACC-NO: 1993-110918

DERWENT-WEEK: 199314

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TITLE: Herbicidal compsn. of glyphosate and a silicone adjuvant  
- has improved after-rain phytotoxicity, esp. in the control of  
velvet- leaf

INVENTOR: PETROFF, L J; SNOW, S A

PRIORITY-DATA: 1991US-0767960 (September 30, 1991)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 535596 A1	April 7, 1993	E	011	A01N057/20
AU 9225399 A	April 1, 1993		000	A01N025/24
CA 2079308 A	March 31, 1993		000	A01N057/20
JP 05238910 A	September 17, 1993		008	A01N057/12

INT-CL (IPC): A01N 25/04; A01N 25/24; A01N 25/30; A01N 55/00;  
A01N 57/12; A01N 57/20; A01N 55/00; A01N 57/20

ABSTRACTED-PUB-NO: EP 535596A

## BASIC-ABSTRACT:

A compsn. comprises: foliar-applied N-phosphonomethylglycine (I) or its agriculturally acceptable salt; and 0.01 to 50 pts wt., per part of (I), of a silicone adjuvant (II) where x is 0 or 1; y is 1 or 2; and G is -R1N(+) (R2)3 X(-), -R1N(+) (R2)2 (R3)-Y(-), -R1N(R2)2 or -R1y(-)M(+); in which R1 and R3 each represent a divalent 2-10C organic connecting group selected from alkylene, alkylene ether and alkylene thioether, each opt. OH-substd.; R2 is a 1-10C alkyl radical or a 1-5C hydroxyalkyl group; X(-) is Cl(-), Br(-), I(-), NO3(-), BF4(-), PF6(-), R4 is 1-5C alkyl; Y(-) is a terminal ionic group which is -COO(-) or -SO3(-); and M(+) is K(+) or Na(+).

USE/ADVANTAGE - The compsn. is useful as a herbicide, esp. against velvetleaf (*Abutilon theophrasti*), Application to the foliage is pref. by spraying at a rate which provides 0.5-10 pounds per acre of (I). The after-rain phytotoxicity of glyphosate herbicides is significantly increased by the inclusion of silicone adjuvants (II), and this improvement in rain-fastness is obtd. without the need for an additional sticking agent. Smaller amts. of herbicide may be used to obtain the desired effect.

• obtain the desired effect.

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L4: Entry 14 of 16

File: DWPI

Nov 2, 1984

DERWENT-ACC-NO: 1984-309680

DERWENT-WEEK: 198450

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TITLE: Selective herbicide for foliage treatment - contains  
2-methyl delta'-isopr opyl valeryl anilide as active component

PRIORITY-DATA: 1983JP-0067773 (April 19, 1983)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 59193806 A	November 2, 1984		004	

INT-CL (IPC): A01N 37/22

ABSTRACTED-PUB-NO: JP59193806A

## BASIC-ABSTRACT:

Herbicide contains 2-methyl-Delta' isopropylvaleryl anilide  
(I).

(I) can be pred. by reacting 4-isopropylaniline with  
2-methyl-valeric acid chloride. The reaction is carried out in  
inert solvent such as benzene, toluene and xylene in presence  
of acid binder such as triethylamine, pyridine and potassium  
carbonate.

(I) can be used alone or formulated as powder, granule,  
wetttable powder, flowable, etc. Suitable solid carriers are  
clay, talc, calcium carbonate, diatomaceous earth, zeolite,  
silicon oxide, etc. Suitable liquid carriers are oils and  
organic solvents.

ADVANTAGE - (I) shows very broad herbicidal spectrum by foliage  
treatment, and no phytotoxicity to corn, wheat even at high  
concn. It can control almost all harmful weeds in upland.